

**ETHYLENE TRIMERIZATION CATALYST AND METHOD FOR TRIMERIZING
ETHYLENE THEREWITH**

Patent number: JP10036431
Publication date: 1998-02-10
Inventor: OGURI MOTOHIRO; OKADA HISANORI; KOIE
YASUYUKI
Applicant: TOSOH CORP
Classification:
- international: C08F4/69; C08F10/00
- european:
Application number: JP19960196401 19960725
Priority number(s):

Abstract of JP10036431

PROBLEM TO BE SOLVED: To obtain an ethylene trimerization catalyst which can give 1-hexene useful as a comonomer for a linear low-density polyethylene at good efficiency by combining a specified chromium-containing solid substance with a pyrrole- containing compound and an alkylmetal compound.

SOLUTION: This catalyst comprises a chromium-containing solid substance (A) which is obtained by impregnating an inorganic oxide with a chromium compound and calcining the product and in which the chromium compound is in the form of an oxide, a pyrrole-containing compound (B) and an alkylmetal compound (C). It is prepared by using components A, B and C as the starting materials and bringing them into contact with each other in a solvent. The temperature at which these three components are brought into contact with each other is -100 to 250 deg.C, desirably 0-200 deg.C. The time necessary to prepare the catalyst system is 0min to 24hr, desirably 0min to 2hr.

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